



GABIE Adventures

K-8 Field Trip Info

How does the GABIE in-school field trip work?

The GABIE Bus parks outside your school and we set up additional outside activities nearby the bus. Classes come out for 60 minutes, rotating between 3 different STEM activities for 20 minutes per activity. We can see up to 3 classes at a time since we rotate between 3 stations. We work with your existing classes, typically ~20 students/station and ~60 students/hour.

Which activities are recommended?

It depends on the age! For each grade, the first activity is always on board the GABIE Bus - either the GABIE Bus Tour or GABIE Bus Escape Game. Then we recommend different outside stations based on the age:

- Pre K: GABIE Bus Tour, Seed Planting, Sight & Sound - Farm Animals
- K - 3rd Grade: GABIE Bus Tour, Seed Planting, Whisper Mill
- 4th - 8th Grade: GABIE Bus Escape Game, Static Electricity, Force & Motion

Please note that each activity is adapted depending on the grade. For example, the Escape Game features different challenges 4th v.s. 8th Graders.

Review our full activity list on the following pages:

GABIE Bus Tour	2
GABIE Bus Escape Game	3
Seed Planting	4
Whisper Mill	5
Sight & Sound - Farm Animals	6
Static Electricity	7
Force & Motion	8
Weather & Nature	9
All About Germs	10

For more information on booking, availability or a quote:

bookings@bookgabiebus.com

305-501-2883 / 407-233-1871

Or [click here](#) to complete a quick request form.

GABIE Adventures K-8 School Activities



GABIE Bus Tour

Available For: PK - 8th Grade

The highlight of your field trip! Students climb aboard the GABIE Bus and get to interact with numerous interactive exhibits that they can touch, hear, and see.

Exhibits include:

- The top commodities grown and mined in Florida, with examples in both their raw and refined/processed form
- A solar system ceiling featuring the planets and stars
- Everglades exhibit and examples of the wildlife unique to Florida's wetlands environment
- A chicken coop at floor level that even the youngest kids can touch and play with
- The phases of the moon and different cloud formations that indicate weather
- Hands-on touch wall with elements like cow hide and alligator skin



GABIE Adventures K-8 School Activities



GABIE Bus Escape Game - “Monkey Business”

Available For: 4th - 8th Grade

This is the GABIE version of an escape room game, but escaping from our bus! It is a more challenging experience for older students who may not enjoy the GABIE Bus Tour we recommend for younger kids.

Here’s the premise: the “Zootopia Virus” has broken out and is turning everyone into monkeys! Good news - we have a cure. Bad news - we lost it on the GABIE Bus.

Students must work in teams to find clues by solving a series of mathematics, geography, and literacy puzzles. Then they explore the bus exhibits to consider how the clues align with the exhibits and eventually they find the hidden cure somewhere on board.

Different grade levels have different difficulty levels for the math and language challenges, aligned to the state standards for their grade.



GABIE Adventures K-8 School Activities



Seed Planting

Available For: PK - 5th Grade

Students learn the important role of plants in nature. We explore the 4 ingredients plants need to grow: soil, water, sun, and air (carbon dioxide). The more advanced the age group, the more we explore concepts like photosynthesis, germination, and pollination.

Everyone gets to plant their own seeds in little paper cups to take home or keep at your facility so that they can learn to care for a plant and watch it grow over time. All ages love getting their hands dirty in the soil and having their own plant to take care of!

We also include a plant for the teacher to keep in a see-through plastic cup in the classroom. With this, the kids can watch over time as the roots grow and become visible in the soil through the clear cup.



GABIE Adventures K-8 School Activities



Whisper Mill

Available For: PK - 5th Grade

Students learn about how so many of the foods they love rely on the farming of wheat and processing wheat into flour. Instructors teach how technology and forms of energy have progressed over the years to keep up with the demand for food. They learn how Millers and Farmers worked together to plant, grow, and harvest wheat and other crops.

The highlight - we bring our GABIE Whisper Mill machine to you and students take turns grinding real wheat seeds into flour by cranking the machine. You can see their faces light up when they feel how the machine crunches the seeds and then they get to blow, clap, or throw their flour into the wind - which is always their favorite part!



GABIE Adventures K-8 School Activities



Sight & Sound - Farm Animals

Available For: PK - 1st Grade

Students learn the role of important farm animals in agriculture. We explore how different animals are useful for different reasons. They will learn to use their auditory and visual senses to identify the different animals by sight and by sound, having a blast while doing so! They listen to the sound of an animal and need to guess the animal and tell us a fact about how it helps us.



GABIE Adventures K-8 School Activities



Static Electricity

Available For: K - 8th Grade

Students experience a live demonstration of static electricity using our Van de Graaff generator, with visible (and safe!) lightning.

Depending on the age, we explore how friction is responsible for generating the charges that create static electricity - like rubbing a balloon on your hair and making it stand up. We talk about examples of static in nature - it's not always scary like lighting. Did you know that bees use static electricity to pick up pollen from flowers and spread it around?

We finish with our "static race" - two teams race against each other using static electricity to see which can collect the most pollen like the honeybees.



GABIE Adventures K-8 School Activities



Force & Motion

Available For: PK - 8th Grade

We explore the concepts of forces as pushes and pulls. The instruction ranges from very simple ideas of gravity to exploring the 3 Laws of Motion with practical, visual examples of each.

Depending on the age, we participate in different team-based challenges to apply pushes and pulls. Younger kids must work together in a balloon relay race, applying the correct force to move balloons without holding them with their hands. The older kids work in teams to solve the frustrating challenge of building towers without using their hands.



GABIE Adventures K-8 School Activities



Weather & Nature

Available For: 3rd - 8th Grade

Students will observe and create different forms of weather while exploring how natural forces shape our world. Through hands-on experiments, they will create snow, erupting volcanoes, and swirling tornadoes while learning how weather forms through the water cycle and atmospheric conditions. Students will discover how severe weather can impact crops, communities, wildlife, and the environment. This interactive station turns complex weather concepts into exciting, memorable experiences.



GABIE Adventures K-8 School Activities



All About Germs

Age: PK - 8th Grade

We discuss the difference between good germs and bad germs. We learn how the good germs help our bodies. This station's experiment shows how germs are attracted to us and how antibacterial soap can repel them. We have the teacher come up and be involved with the overall experiment. Older ages go deeper into the types of germs and the immune system.

Students get to participate in a fun, hands-on experiment involving the importance of good hygiene and washing their hands frequently.

This is a great station to help the students understand and hopefully lessen the fear of germs.

